

Analytical Data Sheet

Lot number

1050086

not for drug use

Catalog Number	B-2540.0005
Product number	4025726.0005
Product	Fmoc- Cys(4- methoxytrityl) - OH
Molecular formula	$C_{38}H_{33}NO_5S$
Relative molecular mass	615.76

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in tetrahydrofuran)
Identification (TLC)	complies with authentic material
Melting point	128 °C
Specific optical rotation	$[\alpha]_D^{24} = + 14.0^\circ$ (1 % in tetrahydrofuran)
Purity (HPLC)	99.1 % (TFA, 260 nm)
Purity (TLC)	> 98 %
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/toluene/H ₂ O 8/8/8/1 benzene/dioxane/acetic acid 95/25/4 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	85.6 % (TBAH)
Water content (KF volumetric)	1.3 %
Residual organic solvents (GC)	12.3 % dioxane 0.6 % isopropylacetate 0.3 % diisopropylether 0.2 % ethylacetate

Latest update: September 25, 2013

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